MINIGORILLA
USER GUIDE

powertraveller
without boundaries™

WELCOME
TO OUR WORLD

From Antarctic to the Sahara, from Everest to the Amazon, our products have been used in some of the most remote and hostile environments on the planet. They are relied on by adventure travellers and explorers alike to deliver power to essential electronic equipment time after time. By packing a Powertraveller portable charger, you can give yourself the power to rise to your next challenge.

MINIGORILLA FEATURES

- **Small & compact**
  Weighing only 265g the **minigorilla** is light to carry with no need to carry extra batteries.

- **Convenience**
  Power up whenever, wherever. The **minigorilla** will give you up to an extra 2-5 hours power depending on your netbook specification, and over 10 hours on various other electronic devices. For example, if you connect via the USB port you can recharge a standard mobile/cell phone full up to 10 times.

- **Compatibility**
  The **minigorilla** is compatible with many portable electronic devices making it a truly universal power solution.

- **Variable voltage**
  With one-touch button operation your **minigorilla** is compatible with many devices and Netbooks.

- **Compact & stylish design**
  Sleek rubberised plastic casing with shock resistant rubber protection strips.

- **Safety**
  minigorilla's many safety features include Voltage limitation, Current limitation, Short circuit, Anti over-discharge, Over charging and Over-heat protection.

- **Advanced Features**
  The **minigorilla** features an enhanced solar charging option and a permanent 'USB ON' option.

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TECHNICAL TERMS

minigorilla	Portable rechargeable battery pack
Hi-Density Lithium Polymer Battery	The high energy rechargeable battery inside the **minigorilla** unit
'Gorilla Nuts'	Powertraveller's brand name for the connector tips for Netbooks/tablets
'Monkey Nuts'	Powertraveller's brand name for the connector tips for all 5v devices and tablets
DC IN	Direct current – when charging the **minigorilla**
DC OUT	Direct current – when the **minigorilla** is charging a device
mAh	A milliampere hour is a unit of electrical charge per hour
V/volt	Measurement of power needed to power a device i.e. 8.4v, 9.5v, 10.5v, 12v, 16v, 19v & '88' permanent ON feature; USB 5v
USB	Universal Serial Bus. For many devices the USB has become the standard connection method. USB uses standard 5 volts output
Apple MagSafe Airline Adaptor	Apple's magnetic tip connector specifically designed/used for all the MacBook/ MacBook Pro/MacBook Air. Please note the Magsafe adaptor is not supplied in the **minigorilla** pack and can be purchased from www.apple.com. To run the **minigorilla** with a Mac, simply plug the Magsafe adaptor into the 12v in-car socket which can be purchased from **www.powertraveller.com**. Select 16v on the **minigorilla** – if the LCD screen flickers on the **minigorilla**, please switch off and reselect 19v.

Output	Term denoting power leaving a device
Input	Term denoting power entering a device
MP3/MP4 player	Device used for storing digital audio (MP3) and digital video (MP4)
Current limitation protection	To prevent a large discharge of current damaging the internal battery of the **minigorilla**
Short circuit protection	If earth / leakage is detected and a possible short is detected the **minigorilla** will auto shut down
Anti-discharging protection	When the **minigorilla** is connected to a device it will not allow the device to discharge power in a reverse direction
Voltage limitation protection	A design to automatically maintain a constant voltage level
Over-heat protection	A design feature to prevent the **minigorilla** over heating

PRODUCT CONTENTS

Listed below are the contents of the **minigorilla** pack. Please check and familiarise yourself with the corresponding list and diagrams before using the **minigorilla**.

- 1 x **minigorilla** rechargeable battery pack **(1)**.
- 1 x black neoprene zip case with internal cable storage pocket **(2)**.
- 1 x AC transformer (9v) with 4 interchangeable country specific connector heads for UK, US/Japan/China, Australia and Europe **(3)**.
- Tips for Netbooks – also called 'Gorilla Nuts' **(4)**. Includes 11 tips: each suitable for different Netbooks. Each tip is named and can connect to the 80cm connection cable included. (Please see compatibility chart on page 13).
- Tips for mobile / cell phones – also called 'Monkey Nuts' **(5)**. Includes 8 tips: each suitable for different mobile / cell phones and other digital devices. Each tip is labelled on the pack. Also included a USB retractable cable with DC3.5 tip.
- Zipped case for both gorilla and monkey nuts
- User manual.
- Warranty card.
- Product disposal instructions.

MINIGORILLA PRODUCT COMPATIBILITY

- The following devices are all compatible with the **minigorilla.**

Netbook / tablets

Apple MacBook Air (via Apple Magsafe Airline Adaptor not supplied in the minigorilla pack)

iPads / iPhones / iPods†

Made for iPod iPhone iPad

iPad, iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.

Some digital cameras and camcorders

Sat-nav / GPS / Radio receivers

Sony PSP

MP3 / MP4

Mobile / Cell phones / smart phones

Portable DVD players

- If you use **minigorilla** with other devices not mentioned above – please tell us! We welcome customer's feedback on further compatibility.

† To charge iPads, iPhones, and iPod products you will need to use the USB sync/charge cable supplied by Apple

USING MINIGORILLA

Please read the following before using the minigorilla

Set up – Charging the minigorilla

- Unpack all contents of box and familiarise yourself with each item. Please refer to the contents section (page 6).
- Choosing the correct interchangeable mains head (2) to connect to the 9v AC/mains adaptor (1).
- Connect the cable tip end into the DC IN of the **minigorilla**.
- Plug into the AC/mains socket and turn power on.
- The **minigorilla** will turn on and the blue LCD illuminates briefly. The backlight will switch off to conserve power.
- LCD screen displays the USB and battery icon on the left and the charge left in the **minigorilla** by the vertical bars on the right. This could be between three to four bars as the **minigorilla** is pre-charged to approximate 60%. It will provide you instant power.
- The vertical bars scroll left to right as the charging commences. It is advisable to recharge the **minigorilla** until all six bars become static which shows it is fully charged. The **minigorilla** turns itself off the instant the AC/mains charger is disconnected. However, the **minigorilla** remains on while it is still connected.
- Turn the **minigorilla** on – see Turning ON/OFF.
- When the **minigorilla** does not turn on, connect it to its own AC/mains charger to reset it.

NOTE: minigorilla can be recharged via the AC/mains transformer supplied with your netbook – please see page 12 – Recharging the **minigorilla**.

IMPORTANT: Never use **minigorilla's** AC adaptor on any Netbook.

Turning ON / OFF (Fig A)

- Press the black ON / OFF button on the **minigorilla** for 3 seconds to activate.
- Once activated the blue LCD screen will illuminate and after a short time the backlight will switch off to conserve power.
- To re-activate the backlight tap the black ON/OFF button.
- If not in use, after approximately 1 minute, the **minigorilla** will automatically turn itself off.
- Hold the ON/OFF button to re-activate.
- To turn the **minigorilla** off, press the ON/OFF button for 3 seconds.
- When the **minigorilla** does not turn on, connect it to its own AC/mains charger to reset it.

How to power your netbook

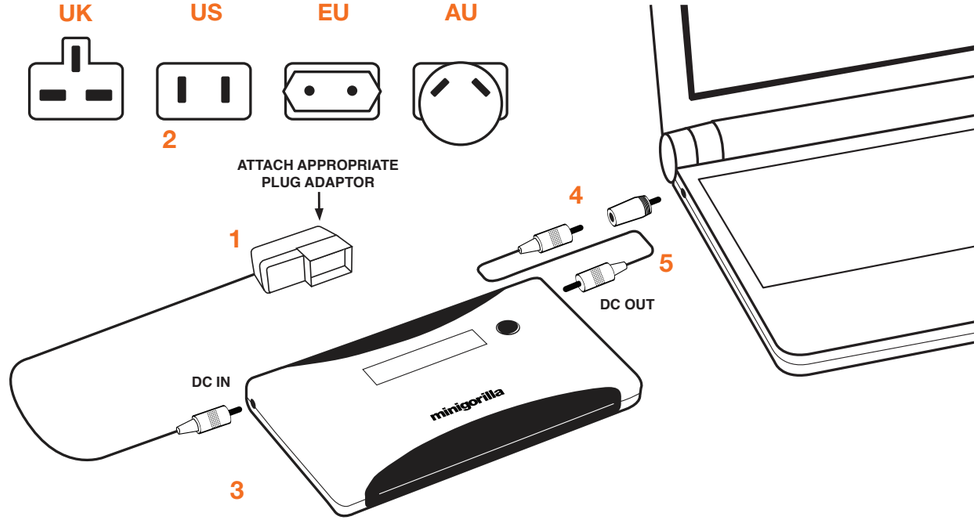
Ensure the AC/mains is disconnected from the **minigorilla** and that the **minigorilla** remains switched off while you follow the steps.

- Remove the connection cable from the pack and select the correct straight tip that is compatible with your netbook (please refer to the compatibility chart on page 15).
- Connect the connection cable to the appropriate tip and insert into your device.
- Insert the connection cable's tip end into the DC OUT of the **minigorilla**.
- Check the voltage your netbook requires, this can be found on the transformer of the AC/mains adaptor or the user guide supplied with your equipment.

Look for O/P: DC 16v – voltage required is 16v

Fig A

Fig B



- Lightly press the ON/OFF button to cycle through the voltage options to match your device's requirements.
- The choices are 8.4v, 9.5v, 10.5v, 12v, 16v, and 19v; also features '88' permanent ON option.
- The **minigorilla** will auto-save your last voltage setting for your convenience, however, you must always disconnect the **minigorilla** from your device before turning the **minigorilla** back on and ensure the correct voltage is still selected.
- When charging your 8.4v device via the DC OUT port, you may experience the **minigorilla** turning off prematurely. This happens when the device is not drawing enough power from the **minigorilla** and the **minigorilla** is not able to detect the device is still attached so it shuts itself off. Disconnect the cable from the DC OUT socket. Press button to select DC output voltage until '88' (see Permanent USB ON) is displayed on the LCD screen. This will lock into permanent ON. Connect your device to the DC OUT. The **minigorilla** main DC out port will only output 8.4v while this feature is enabled. You can now charge your device.
- When you finish charging/powering, turn off the **minigorilla** by holding down on the ON/OFF button for a few seconds and disconnect the cable. Or the **minigorilla** will turn itself off when the device is fully charged.

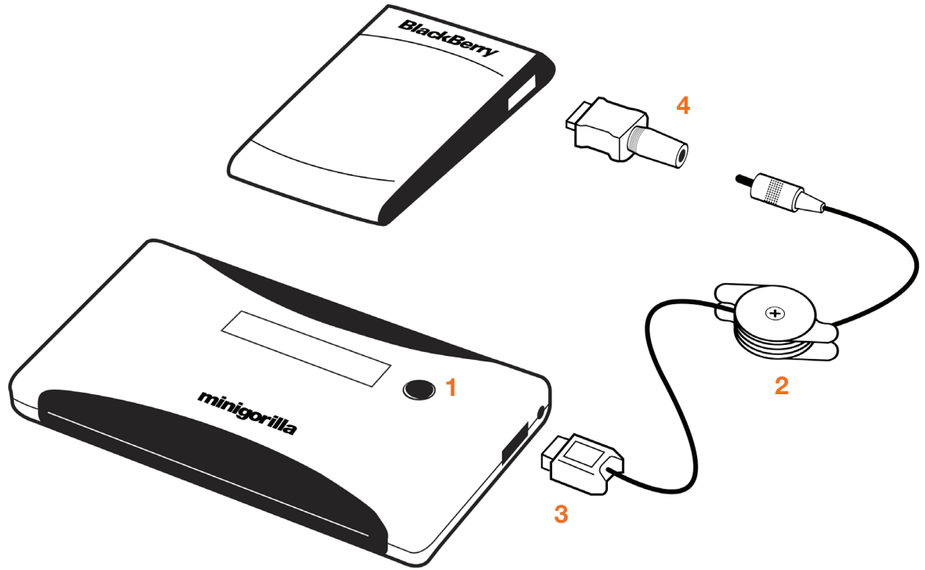
Charging 5v digital devices via USB

The **minigorilla** will also power your iPad, 5v tablet, iPhone, iPod, PDA, MP3/MP4's, hand-held gaming device, sat-nav's/GPS, smart phones, mobile/cell phones and many other devices using the 5v USB port.

- Turn unit on via the ON/OFF black button.
- Select the retractable USB cable tip from the pack and connect the appropriate tip for your device.
- Insert the USB into the USB port of the **minigorilla**.
- The **minigorilla** will stop charging the device when it is fully charged.
- The USB port does not have a switchable voltage – therefore you do not need to select the correct voltage as the **minigorilla** will automatically recognise the standard USB 5 volts.
- The **minigorilla** may turn itself off when charging a device via the USB. Disconnect the cable from the USB port. Press the button until '88' is displayed on the LCD screen, this will lock USB into permanent ON. Connect your device to the USB port.
- Apple products eg. iPad, iPhone, iPod series, including Nano, iPod Classic, iPod Touch – charge by using the white sync cable supplied with your Apple device.

NOTE: minigorilla can charge a device via a DC OUT and USB port at the same time for eg. **minigorilla** can charge a netbook and a phone at the same time.

Fig C



Permanent USB ON

- Disconnect all cables from the USB and DC out socket.
- Press ON/OFF button repeatedly until the logo below is displayed on the LCD screen.

’88’ will appear on the LCD screen here

- The backlight will remain on while this feature is enabled, you can simply press the ON/OFF button again to disable this feature.
- You may now connect your device to the USB port or your 8.4v device to the main DC OUT port.
- The **minigorilla** main DC OUT port will only output 8.4v while this feature is enabled.
- To lock the voltage to prevent selecting the wrong voltage, please leave the selected voltage for 30 seconds.The LCD screen on the **minigorilla** will flash and voltage can only be changed by turning the **minigorilla** off and on. The **minigorilla** may also auto-detect when a device is connected and lock the voltage.
- You can charge your device via the USB and DC OUT at the same time. The DC will output 8.4v when the USB permanent ON feature is activated.

If you have any questions, please email
support@powertraveller.com

Checking the charge levels

- When the battery icon in the left flashes, this indicates that there is less than 10% power left in the **minigorilla**. The battery icon does not represent the amount of power left.
- The level of charge remaining in your **minigorilla** is shown by the vertical bars in the right hand corner of the blue LCD screen. A fully charged **minigorilla** will be denoted by 6 solid vertical bars. As the 6 bar decreases, available power decreases.
- The USB symbol is permanently shown allowing simultaneous charging of a netbook and your USB 5v devices.
- The true battery level of the **minigorilla** will be displayed when the **minigorilla** is being recharged. When charging a device such as a netbook from the **minigorilla**, the battery level indicator will display the true amount of power available for that device. If you connect an alternative device with a lower power requirement, the level of available power may increase.

Recharging the minigorilla

You can recharge the **minigorilla** via the AC/mains transformer supplied, or the AC/mains transformer supplied with your netbook or solar power.

IMPORTANT: Never use **minigorilla’s** AC adaptor on any Netbook.

Supplied 9v AC/mains charger (Fig B)

- Connect the AC/mains transformer to the **minigorilla** into the DC IN socket of the **minigorilla**.
- The blue LCD screen will illuminate and the vertical bars on the right increases as it is being charged.
- When the last 6th vertical bar is no longer flickering, this means the **minigorilla** is fully charged.
- The **minigorilla** charges fully in approximately 5-6 hours. The **minigorilla** will have a deeper cycle charge if left connected longer (6-8 hours).
- Always disconnect AC/mains charger when **minigorilla** is fully charged or not in use.
- You cannot recharge the **minigorilla** and charging the netbook at the same time.

Your own netbook’s AC/mains adaptor

When charging the **minigorilla** from a third party AC/mains charger, please ensure it is rated at 9v to 24v – any AC/mains charger outside of this range will not be compatible and may invalidate your warranty. The **minigorilla** will auto-detect the voltage input from the mains chargers used.

- First, you need a right angle tip that fits your netbook which can be purchased separately from **www.powertraveller.com**
- Connect the right angle tip into your netbook’s AC/mains adaptor.
- Insert the tip into the DC IN socket of the **minigorilla**.
- Plug into the AC/mains socket and turn power on. Charging will commence. Please see page 8 – Set up – Charging the **minigorilla** for rest of the details.
- You can charge your **minigorilla**, and have it connected to your netbook and also charging your mobile via the USB port all at the same time. BUT you can only charge the **minigorilla** with your netbook’s own AC/mains charger in order for this to work.

When **minigorilla** is connected to the mains by the netbook’s own AC/mains charger and is also charging the notebook simultaneously, the output voltage will be pre-determined by the input voltage (e.g. if a 12v charger is used, the **minigorilla** will output 12v).

If your device requires lower voltage, disconnect from the mains and continue charging the device with the **minigorilla**. If your device requires higher voltage, you will need to use your netbook’s AC/mains charger to charge the **minigorilla** and your device at the same time. The **minigorilla** can also be charged from the optional **solargorilla** solar panel and the 16v in-car charger (both not included and can be purchased from **www.powertraveller.com**)

Solar Power

- The **minigorilla** can be charged via the sun using the **solargorilla** solar panel (not included).
- The **minigorilla** is equipped with Maximum Power Point Tracking (MPPT) technology. This maximises the solar panels efficiency for any given weather condition and protects the battery from over-charging or excessive discharging. In low light conditions, this technology improves efficiency by up to 60%.
- **minigorilla** will automatically detect when the **solargorilla** solar charger is connected and the symbol ‘⏚’ will be displayed. This will disable the DC OUT port and USB on the **minigorilla**. The internal circuits will also turn off to improve charging efficiency and reduce charge times from solar.
- Select the L52D tip and connect it to the 2m charging cable both supplied with the **solargorilla** and insert the tip into the DC IN of the **minigorilla.** Place the **solargorilla** panel in the sun.
- For further information on the **solargorilla**, please visit **www.powertraveller.com**

MINIGORILLA TIPS

‘Gorilla Nuts’

‘Monkey Nuts’

- The **minigorilla** connector tips are connectors to make different devices compatible with **minigorilla**.
- All connector tips are clearly marked in the zipped case.
- You need to select the correct connector tip for the appropriate device.

‘Gorilla Nuts’

- Selected 11 male straight tips for netbooks are clearly marked with prefix ‘L’ on the tip itself for example ‘L51D’; Also includes a connecting cable.
- These tips are attached to the connecting cable which is then inserted into the power IN socket on your netbook. The other end into the DC OUT of the **minigorilla**.
- Only the ‘Gorilla Nuts’ are to be used with connecting cable. Please refer to the compatibility chart on page 13 to choose the corresponding connector tip.

‘Monkey Nuts’

- Tips for all other 5v devices such as mobile/smart phones, and other 5v digital devices are also clearly labelled.
- ‘Monkey Nuts’ are to be used with the USB retractable cable and inserted into the USB port of the **minigorilla**.

Step 2 How do I choose the correct tip for my device?

- Please refer to the list on the opposite page to choose the corresponding connector tip. Alternatively, please refer to the compatibility chart found on **www.powertraveller.com**

Step 3 How do I connect the connection tip to the power cable?

- Connect the correct connection tip to the universal power adaptor output cable as shown in the image below.

COMPATIBILITY CHART

‘Gorilla Nuts’ for Netbook

Notebook brands	Connector code
ASUS, Compaq, Trigem	L01D 4.75 x 1.7 mm
Acer, Winbook	L51D 5.5 x 1.7 mm
Acer, ASUS, Compaq, DELL, E-Machine, Epson, Fujitsu, Gateway, Hitachi, HP, IBM, NEC, Panasonic, Sharp, Toshiba, Twinhead, Viewsonic, Winbook	L53D 5.5 x 2.5 mm
Panasonic, Sony	L54D 6.5 x 4.5 mm
DELL, HP	L61D 7.4 x 0.65 mm
IBM, Lenovo Thinkpad	L71D 7.9x5.5mm
Samsung, Sony	L73D 5.5 x 3.3 mm
Acer, ASUS	L82D 2.315x1.0mm
NOT INCLUDED Apple MacBook Pro & MacBook Air Via 12V car socket	Go to **www.powertraveller.com or www.Apple.com** for Apple Magsafe Airline Adaptor.

How do I connect the connection tip to the power cable?

- Connect the correct connection tip to the universal power adaptor output cable, as shown in the image below.

NOTE: The most popular connector tips are included in the **minigorilla** pack. Due to limited space we cannot include all tips.
IMPORTANT: Please confirm voltage selection by referring to your netbook’s user manual.

‘Monkey Nuts’ for all other USB 5v digital devices

- Nokia & Mini Nokia, Samsung G600, LG Chocolate and Sony Ericsson wide connectors
- Mini USB for Motorola V series, BlackBerrys, GPS systems and Bluetooth headsets
- Micro USB for latest smart phones
- DC4.0 connector for original Sony PSP
- Connector tip for Nintendo DS Lite
- Retractable USB cable (DC3.5 x 1.1mm) to be used with the USB port of the **minigorilla**

To purchase more connectors tips for digital devices or need help to find the right tips – go to **www.powertraveller.com** or **www.apple.com** for Apple Magsafe Airline Adaptor.

SPECIFICATIONS

Parameters	Description
Weight	265g
Material	Laser-etched rubber coated housing with shock resistant rubber protection strips
Total Capacity	900mAh
Dimensions	150mm x 83mm x 14mm
Output	8.4v, 9.5v, 10.5v, 12v, 16v 19v & USB 5v
Input	9-24v
Operating temperatures	Between 0ºC - 40ºC
Colour	Graphite grey
Protections	Voltage limitation, Current limitation, Short circuit, Anti over-discharge, Over charging, Over-heat protection
Charging options	9v AC/mains (included) or **solargorilla** or 16v in-car charger (both not included)

Output capacity & current

Output capacity: Amount of times the minigorilla will charge a device

6,000 mAh in 5v mode
4,000 mAh in 8.4v mode
3,500 mAh in 9.5v mode
3,200 mAh in 10.5v mode
2,800 mAh in 12v mode
2,300 mAh in 16v mode
2,000 mAh in 19v mode

Output current: Amount of time taken to fully charge a device

5v = 700mAh output current
5v = 2.1A max output current (auto sensing)
8.4v = 3A max output current
9.5v = 3A max output current
10.5v = 3A max output current
12v = 3A max output current
16v = 2A max output current
19v = 1.5A max output current

APPROVAL CERTIFICATIONS

AC transformer:

Compliance with :

EN60950-1:2006
EN60950-1/A11:2004
EN60950-1:2005
EN60065/A1:2006
EN55022:2006
EN55022/A2:2003
UL60950-1
EN61000-3-2:2006
EN61000-3-3:1995+A1+A2
EN55024:1998+A1+A2
FCC Part 15:2007
ICES-003:2004
AS/NZS60950.1:2003

Made for iPod iPhone iPad

iPad, iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.

“Made for iPod,” “Made for iPhone,” and “Made for iPad” mean that an electronic accessory has been designed to connect specifiifically to iPod, iPhone, or iPad, respectively, and has been certifiied by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

PRODUCT DISPOSAL INSTRUCTIONS

The symbol shown here and on the product means that the product is classed as Electrical or Electronic Equipment and should not be disposed with other household or commercial waste at the end of its working life.

The Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) has been put in place to recycle products using best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increasing landfill.

Product disposal instructions for residential users
When you have no further use for it, please remove any batteries and dispose of them and the product as per your local authority’s recycling processes. For more information, please contact your local authority or the retailer where the product was purchased.

Product disposal instructions for business users
Business users should contact their suppliers and check the terms and conditions of the purchase contract and ensure that this product is not mixed with other commercial waste for disposal.

TROUBLESHOOTING (QUESTIONS AND ANSWERS)

Q. Can I use the **minigorilla** straight away without charging?
A. Yes, the **minigorilla** comes 60% pre charged so is 'ready to use out of the box'.

Q. What are connector tips?
A. Connector tips are attachments to make the **minigorilla** compatible with various devices.

Q. What if I can't find the right tip?
A. Please refer to **www.powertraveller.com**

Q. Why does the **minigorilla** auto shut down?
A. This can be for various reasons:
1. Device is fully charged or **minigorilla** not in use.
2. The **minigorilla** has run out of power and needs recharging.
3. The **minigorilla** has detected one of the safety features.
4. Your device is not drawing enough power from the **minigorilla**.

Q. Can I use my device while charging the **minigorilla**?
A. The AC charger supplied with the **minigorilla** is 9v. You can simultaneously charge the **minigorilla** and your device from the mains as long as your device will accept 9v. **minigorilla** may shut down if it detects voltage incompatibility.

If your netbook is between 9v-24v, you can charge your **minigorilla**, and have it connected to your netbook and also charging your mobile via the USB port all at the same time. BUT you can only charge the **minigorilla** with your netbook's own AC/mains chargers in order for this to work. Please refer to page 12 – Recharging the **minigorilla** – your own netbook's AC/mains charger.

Q. Can I charge my phone while **minigorilla** is being charged?
A. Yes, charging the **minigorilla** and other devices via the 5v USB port – mobile, iPhone, iPod, MP3/MP4 etc – is possible.

Q. I have a MacBook Air. Is it compatible with the **minigorilla**?
A. Yes, providing you have a MagSafe Airline Adaptor and use with the in-car socket which can be purchased seperately from **www.powertraveller.com**

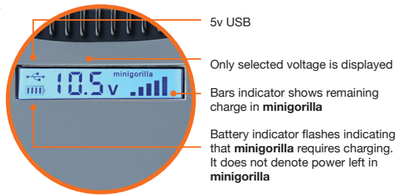
Q. Where can I buy a MagSafe Airline Adaptor?
A. **www.apple.com**

Q. How much extra time will the **minigorilla** give me on my netbook?
A. **minigorilla** can add up to 6 hours of power to your Netbook (depending on netbook specification).

Q. How long does it take to charge the **minigorilla**?
A. Between 5 – 6 hours.

Q. Can I charge the **minigorilla** via the USB?
A. No, the USB uses a standard 5v which is not sufficient to power or charge the **minigorilla.**

Q. What do the symbols on the LCD screen mean?
A.



5v USB

Only selected voltage is displayed

Bars indicator shows remaining charge in **minigorilla**

Battery indicator flashes indicating that **minigorilla** requires charging. It does not denote power left in **minigorilla**

Q. Does the **minigorilla** automatically recognise the voltage my device requires?
A. No, you have to select the correct voltage before connecting and turning your Netbook on. The **minigorilla** will remember the voltage that was last selected though.

Q. How do I know what voltage my device requires to make it compatible with the **minigorilla**?
A. This can be found on the transformer of the AC adaptor supplied with your netbook or in your netbook/device's user guide.

Q. What happens if I select the incorrect voltage?
A. The **minigorilla** will not work to its optimum performance and the device may be damaged.

Q. I have heard of the **solargorilla**. What is the **solargorilla**?
A. The **solargorilla** is a powerful solar panel capable of charging the **minigorilla** and other devices. Perfect for life on the go! For further information and to purchase please refer to **www.powertravaller.com**

If you have any further queries that are not covered in this manual, please email us at: **info@powertraveller.com**

IMPORTANT GENERAL INFORMATION

WARNINGS: This manual contains important safety and operating instructions for your **minigorilla**. Please read this section carefully to reduce the risk of personal injury and pay attention to the following:

1. Please follow the procedures from the User Manual when setting up the device.
2. The **minigorilla** is suitable for Netbooks, some digital cameras, iPad, tablets, iPods, MP3/MP4's, hand held gaming devices, iPhones, mobile/cell/smartphones, PDA's, satellite navigators and other digital devices. Please refer to **www.powertraveller.com** for an updated list of devices.
3. Only use the **minigorilla** authentic tips provided in the pack. Using other manufactures accessories may result in the risk of fire or damage to the unit or associated products. To purchase connector tips, should you loose / damage the ones provided please visit **www.powertraveller.com**
4. The tips are uniquely designed. If a tip does not fit in the appropriate socket, then this indicates that a mismatch has occurred. Please refer to the User Manual. Do not force the tip into the Netbook as it may damage both the power adaptor and Netbook.
5. Do not open the device or make any attempt to disassemble or modify the device, as this will invalidate the warranty / guarantee. This may also result in the risk of fire, personal injury, or damage to personal property.

IMPORTANT SAFETY PRECAUTIONS

Although the product incorporates a multiple-protection circuit, to be absolutely certain of its safe use, please note the following:

1. Avoid placing product in direct sunlight. Avoid operating in an environment exceeding 40° to prevent activation of the temperature shut down protection circuit.
2. Avoid operating in temperatures below 0° to prevent the power supply efficiency from declining.
3. Avoid operating in wet / high moisture conditions.
4. The **minigorilla** has been designed to lift the underbody 1mm from the surface and drop the top 1mm to assist with temperature control. For optimal temperature regulation and for personal safety do not cover or smother the **minigorilla.**
5. Fully remove from the neoprene zip case before using.
6. Do not operate this power adaptor with damaged input or output cords or plugs.
7. Do not open the device or make any attempt to disassemble or modify the device as this will invalidate the warranty. This may also result in the risk of fire, personal injury or damage to personal property. Please refer to the user guide for full operating instructions.
8. The warranty will be invalidated if the product is damaged due to water / liquid, fire or hard impact.
9. Keep out of the reach of children at all times. Small parts can cause choking if swallowed.
10. Please complete the enclosed warranty form and return to Powertraveller. We cannot accept any responsibility for warranty's not returned.
11. The information contained in this user manual is, to the best of our knowledge, true and accurate at the time of publication and is provided for information purposes only. Powertraveller accepts no liability for any loss or damage arising as a result of use or reliance on this information.

MINIGORILLA

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